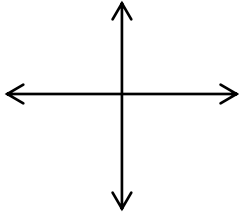
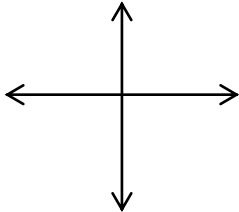
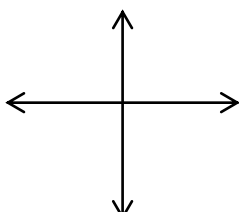


2.2 Solutions to Linear Systems Summary

# of Solutions	Graph	Slopes	Y Intercept	Notes
0				
1				
many				

2.4 Solving Linear Systems by SUBSTITUTION.

1. Label the equations as (1) and (2).
2. Isolate one of the variables in one of the equations (choose the simplest)
3. Substitute the expression for the isolated variable into the other equation.
4. There is now one variable and one equation. Solve the new equation.
5. Substitute the value found in step 4 into one of the originals equations to solve for the remaining variable.
6. The resulting coordinate (x,y) is the solution to the linear system; the point of intersection for the linear system.
7. Verify the solution if asked

2.5 Solving Linear Systems by ELIMINATION.

1. Set up both equations in the form $Ax+By=C$, one on top of the other.
2. Label the equations as (1) and (2).
3. Decide which variable to eliminate (choose the most convenient).
4. Multiply one or both equations by a number and/or sign that gives the same coefficients for one variable in both equations.
5. Add or subtract to eliminate one variable.
6. There is now one variable and one equation. Solve the resulting equation.
7. Substitute the value found in step 6 into one of the originals equations to solve for the remaining variable.
8. The resulting coordinate (x,y) is the solution to the linear system; the point of intersection for the linear system.
9. Verify the solution if asked.